EXPERT SANTÉ CANADA MAPAQ

PharmaBic

Agriculture, Pêcheries et Alimentation Québec 🍻 🌸



HACCP Certification ISO22000 GFSI SQF

PBE-Expert Inc – CANADA Accredited training organisation CPMT #0059104 Qualified MAPAQ Consultant To the measure 2 of the Levier program

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#### PBE, Accredited Training Organisation **CPMT** #0059104

Agriculture, Pêcheries et Alimentation QUÉDEC \* \*



# PBE, Qualified MAPAQ Consultant at the measure 2 of the Levier program

Agriculture, Pêcheries et Alimentation QUÉDEC

From: De Meyer Emmanuelle (DDEP) (Québec) [mailto:Emmanuelle.DeMeyer@mapaq.gouv.qc.ca] Sent: Thursday, January 25, 2018 12:21 PM To: Aziz.pbe <aziz.chraibi@pharmabioeng.com> Subject: RE: PBE, Pharma Bio Expert Santé Canada



Bonjour Monsieur Chraibi,

Simplement pour vous informer qu'après évaluation, votre candidature a été intégrée à la Liste des consultants qualifiés à la mesure 2 du programme Levier.

Vous recevrez une lettre officielle dans les prochaines semaines, mais ne vous inquiétez pas si elle tarde. Dans l'éventualité où vous auriez des clients en attente de votre acceptation, ce courriel peut faire foi de votre qualification.

Si vous avez des questions, surtout n'hésitez pas à communiquer avec moi.

Je vous souhaite une belle journée,

Emmanuelle De Meyer B. Conseillère en transformation Sc. A alimentaire

Direction du développement des entreprises et des produits Ministère de l'Agriculture, des Pêcheries et de l'Alimentation

200, chemin Sainte-Foy, 12<sup>®</sup> étage Québec (Québec) GIR 4X6 Téléphone : 418 380-2100, poste 3795 Télécopieur : 418 380-2134 <u>Emmanuelle DeMeyer@mapaq gouv.qc.ca</u> <u>www.mapaq.gouv.qc.ca</u>

Le présent courriel peut contenir des renseignements confidentiels et ne s'adresse qu'au destinataire dont le nom figure ci-dessus. Si ce courriel vous est parvenu par mégarde, veuillez le supprimer et nous en aviser aussitôt. Merci.





# **Training goals**



- 1. Framework & Regulatory Requirements
- 2. Types of bottling water, definitions & characteristics
- 3. General requirements for water bottling units
- 4. Production units, packaging & labeling Audit

23/05/2018

- 5. CIP performance: Cleaning, Disinfection & Hygiene
- 6. Production, Cleaning & Sanitization Units

- 7. Critical premises compliance & contaminants types
- 8. Dress code & Prevention
- 9. Room classification vs Standards & Applications
- 10. Architechtural Building Elements and Finishes
- 11. URS / CDC Respect (to be revisited).
- 12. Segregation (Phy/Mec), Flow & Cascades Types.
- 13. HVAC systems design.
- 14. Audit & Inspection & Remediation Plan & Upgrade.



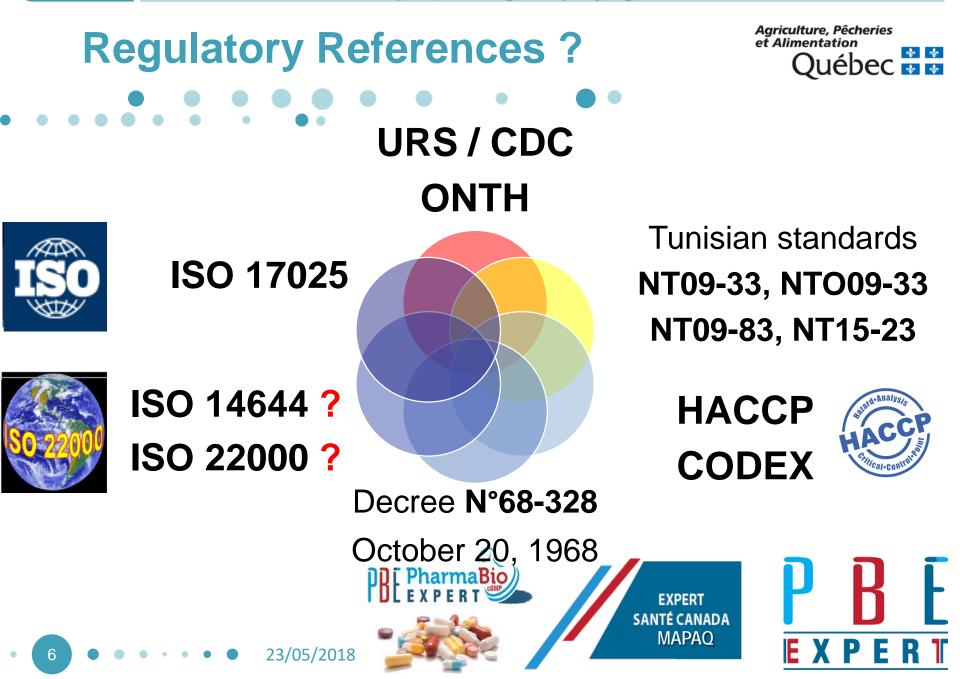






# FRAMEWORK & REGULATORY REQUIREMENTS





# **HACCP Definitions & Actions**



**<u>HACCP</u>** = « Hazard Analysis Critical Control Point » or hazard analysis at critical points for control.

#### HAZARD =

- biological agent,
- chemical agent,
- physical agent,
- or condition of the food with potentially harmful effect on health.

## <u>RISK</u> =

- Product of the occurrence probability of the event and of its gravity.
- The estimate is based on the hazard identifiability, the extent of its effects and the extent of its exposure to danger.





# **HACCP Definitions & Actions**

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#### <u>CCP or « Critical Control Point »</u> =

 Characteristical product point, step or process whose mastery is critical and possible to efficiently prevent, reduce or eliminate a hazard of high impact on product security.

#### <u>CORRECTIVE ACTION</u> =

 All action to be taken when results of a critical point monitoring indicate a loss of control.







# **HACCP Definitions & Actions**

(According to CE 178/2002, 852/2004, 853/2004 Regulations)

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**<u>CONTROL ACTION</u>** = (ex Preventives Actions)

 Any intervention or activity that may be used to prevent or eliminate a hazard that threatens the safety of a food or to reduce it to an acceptable level.

#### <u>CRITICAL THRESHOLD</u> =

• Criterion distinguishing acceptability from non-acceptability.





# HACCP Definitions & Actions

(Selon Règlement CE 178/2002, 852/2004, 853/2004)

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- $\underline{HACCP}$  = A system that :
  - identifies,
  - évaluate,
  - masters significative hazards,
  - considers <u>food safety</u>
  - is based on <u>7 principles</u>











# General Requirements of a 7 Points HACCP Plan



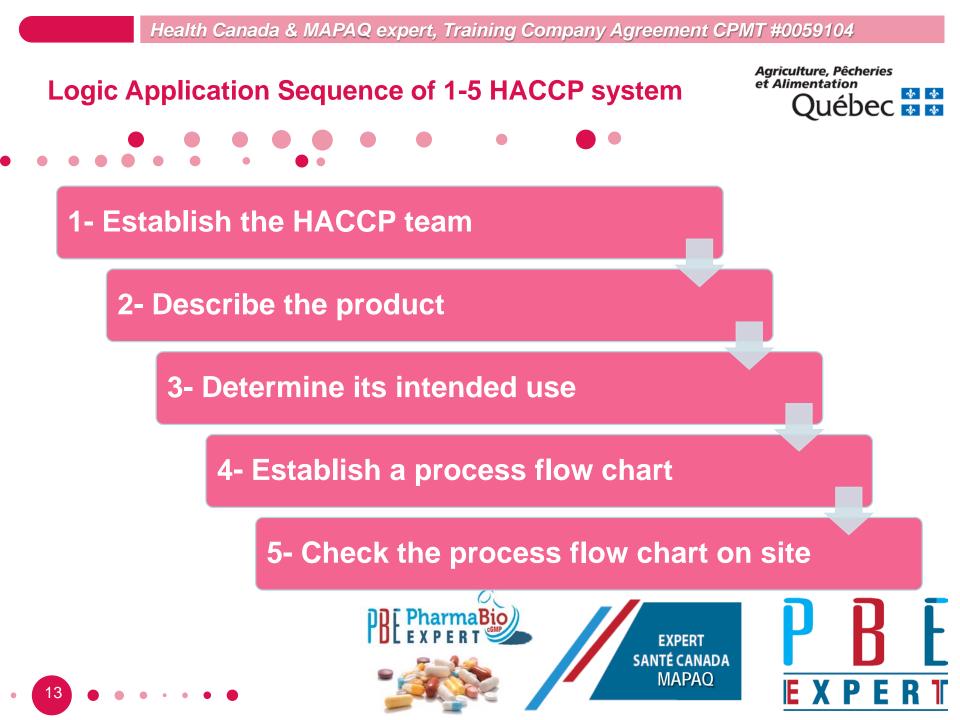
#### **General requirements of a 7 points HACCP Plan**

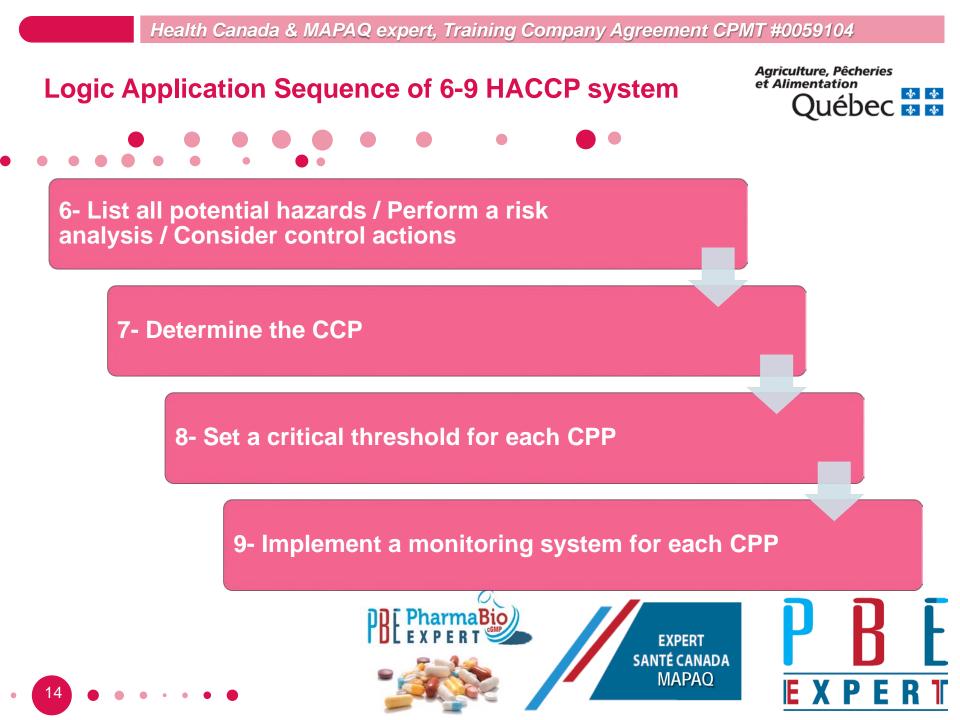


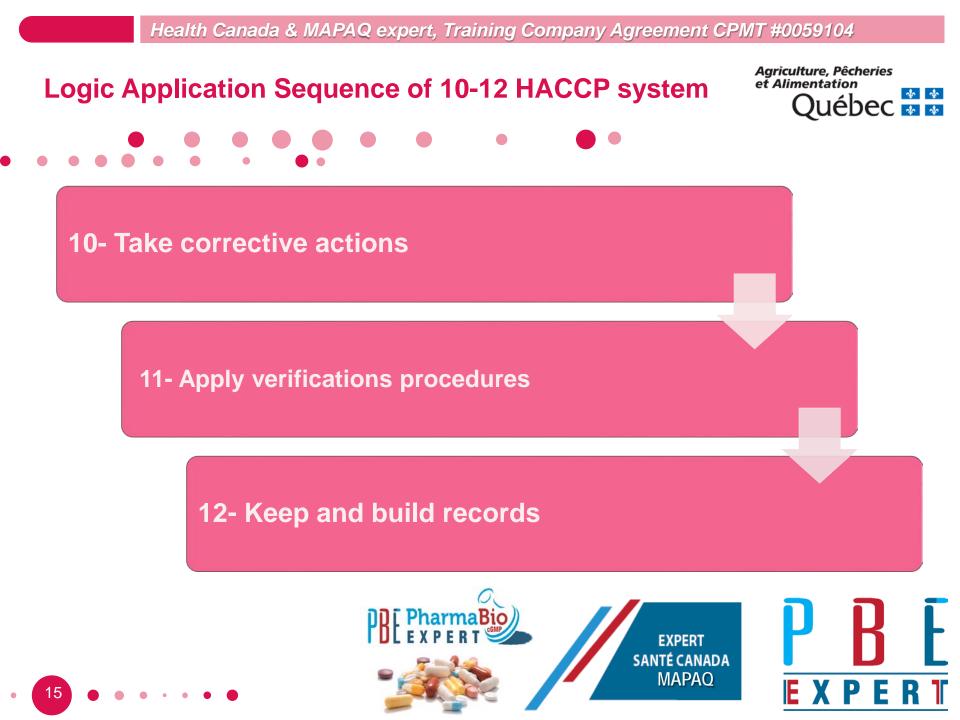
- 1. Carl Hazard analysis
- 2. C Determine CCP or Critical Control Points
- 3. Crital limits for each CCP
- 4. Setablish a monitoring system for each CCP
- 5. Caractive actions
- 6. Carablish verification procedures
- 7. Criteria Stablish a documentation recording system.



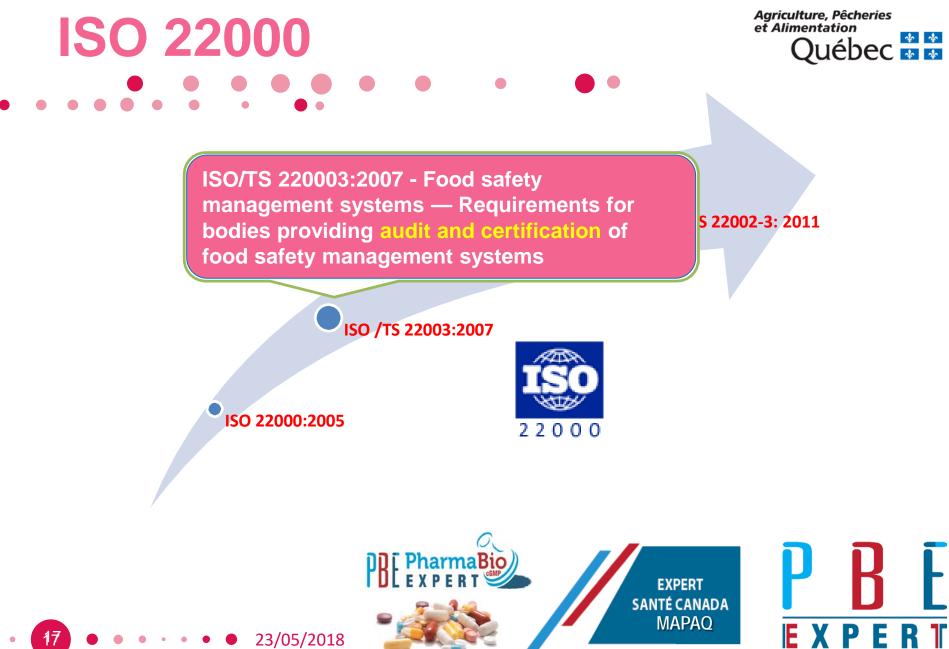








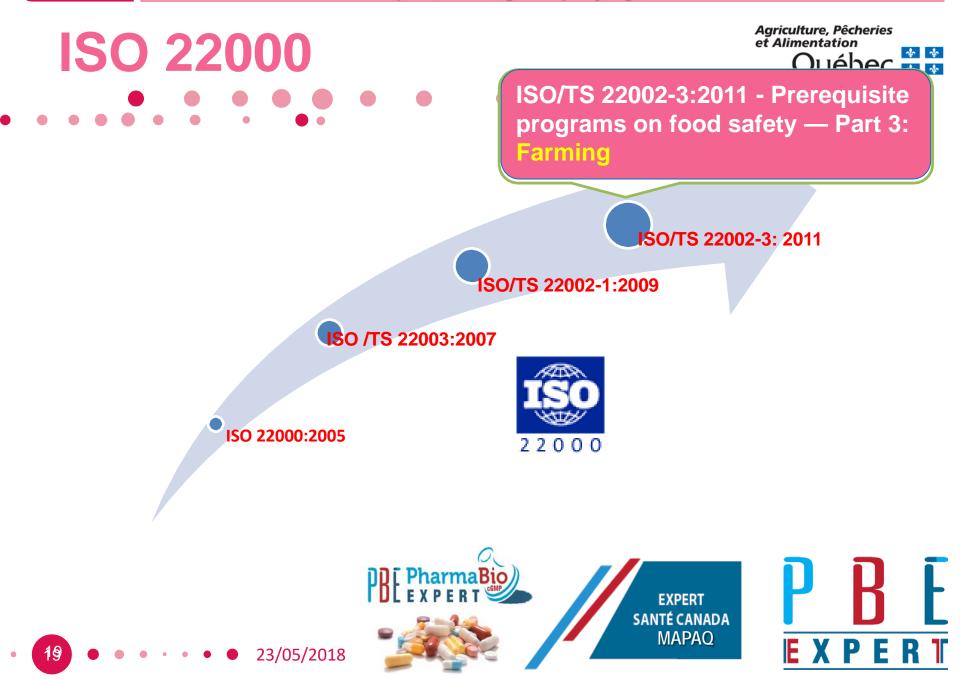






ISO 22002 describes the basic conditions and activities necessary to maintain an adequate <u>hygienic environment</u> for the production, handling and delivery of safe finished products.



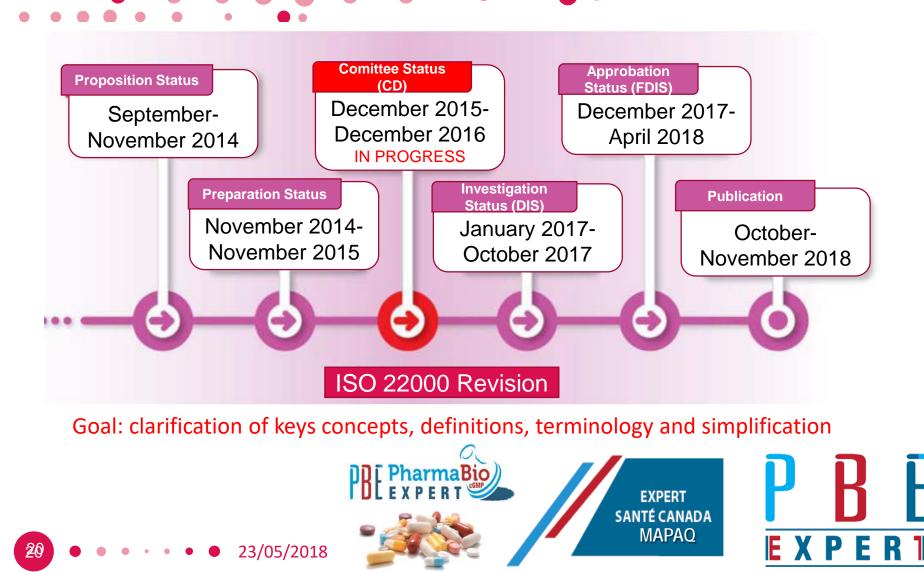


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# **ISO 22000 Revision (2015)**



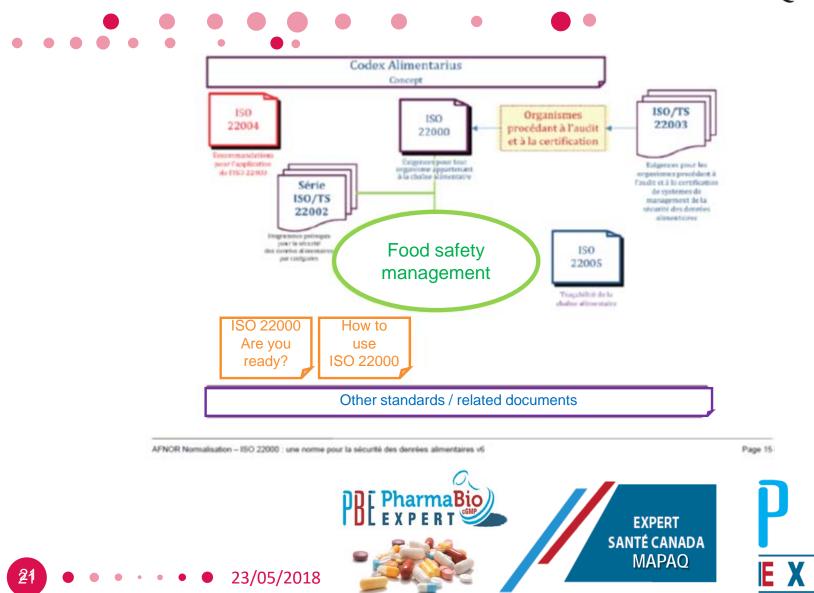
## All documents related to ISO 22000

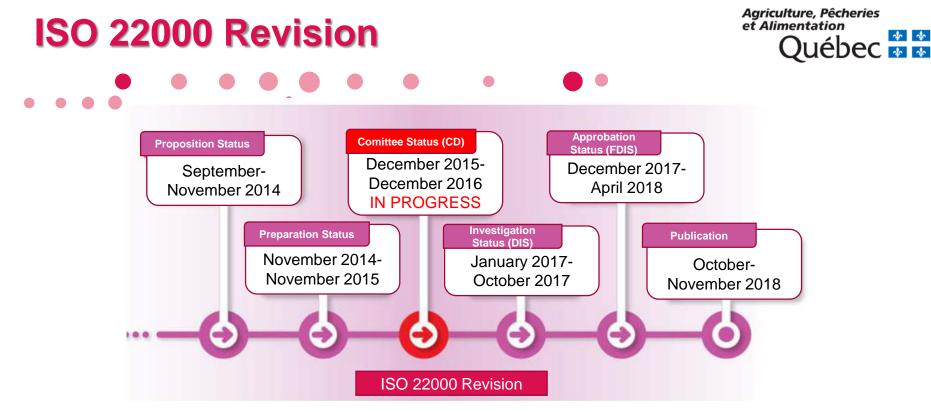
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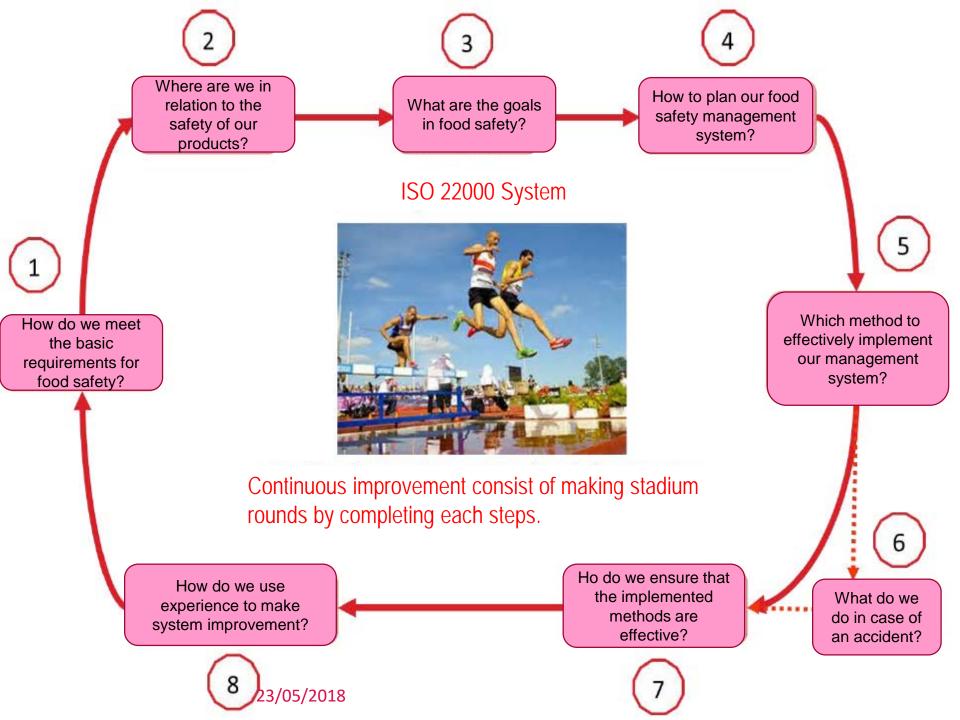


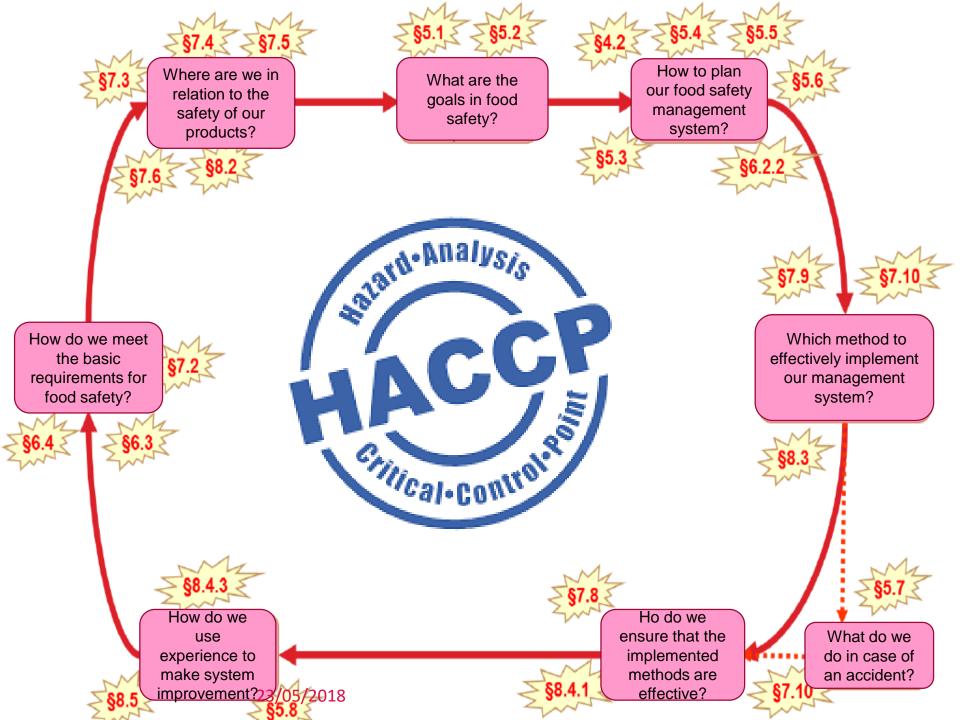


The revision of the standard is conducted by experts from more than 35 countries, specialized in the establishment, implementation and audit of food safety management systems (ISO/TC 34/SC 17/WG 8).









#### 7.5 Operational Prequisite Programs establishment (operational PRP) ISO-22000 (2005)

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- a) **security hazards** ... ;
- b) measures ... ;
- c) procedures ... ;
- d) corrections and actions ....;
- e) responsibilities ....;
- f) monitoring.









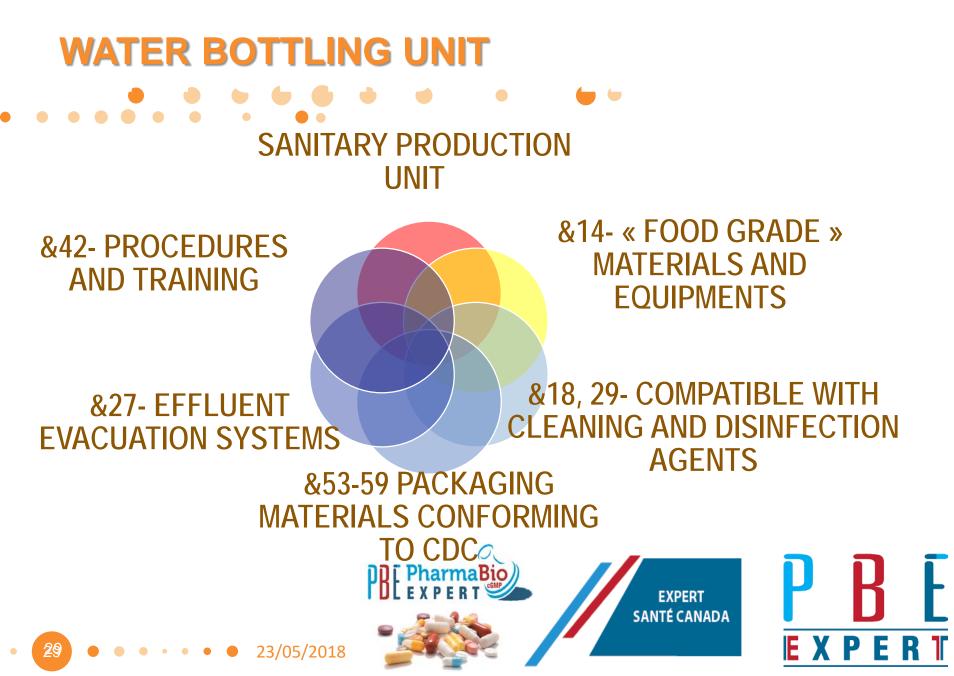
# &14-18, 56-65 COMPLIANCE AUDIT : FROM PRODUCTION TO PACKAGING AND LABELING UNITS



#### &14-18, 56-65 – PRODUCTION, PACKAGING AND LABELING COMPLIANCE AUDIT

- Reduce contamination risks from a product to another or by external and internal contaminants;
- ► They also insist on hygiene and organisation practice to be implemented.



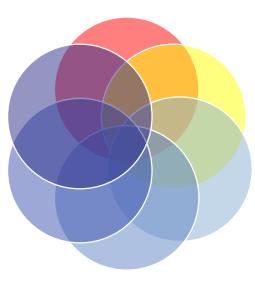


# WATER BOTTLING UNIT

### **FILLING / BOTTLING**

VACUUM OR MODIFIED ATMOSPHERE PACKAGING

CHEMICAL PRESERVATION



### QUICK COOLING HEAT TREATMENT

### AC IRRADIATION & UV

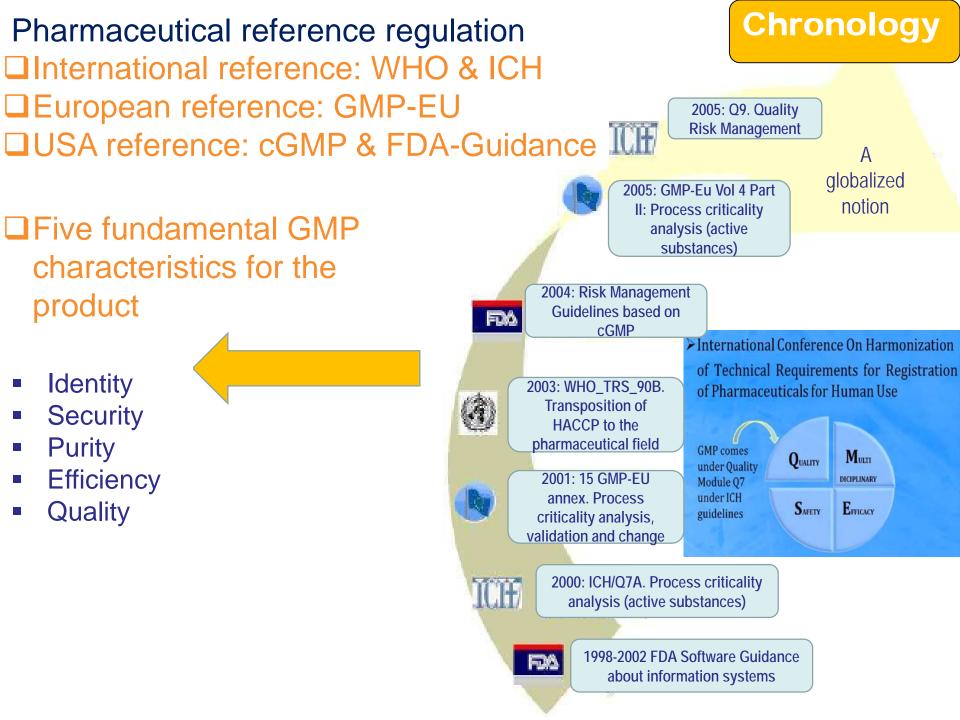
DRYING



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#### &14-18, 56-65 - PRODUCTION, PACKAGING AND LABELING COMPLIANCE AUDIT

















# Risk analysis origin?









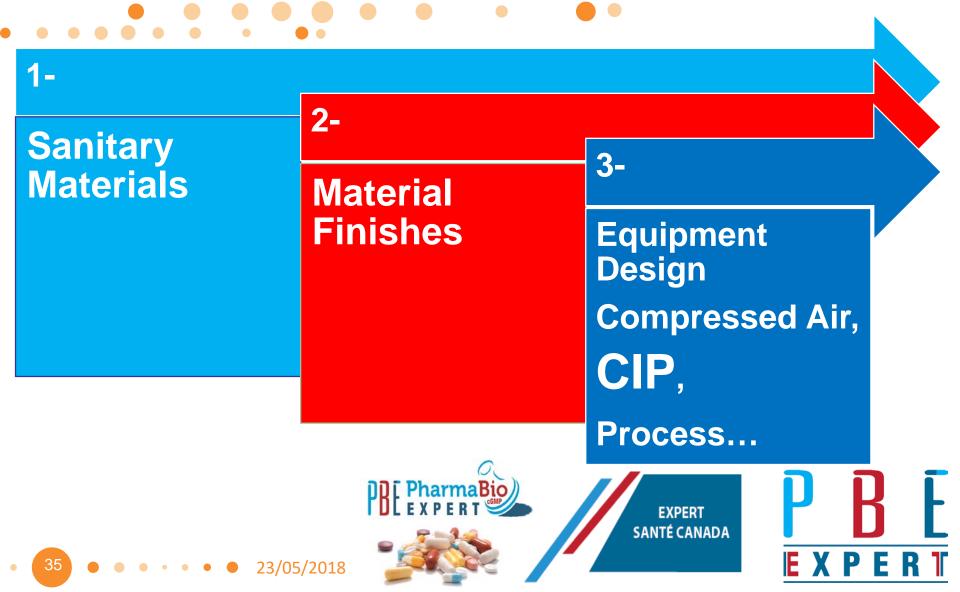


# &19-21, 29, 33-38 CIP CLEANING, DISINFECTION & HYGIENE

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## **Non-Compliance & CCP Sources**



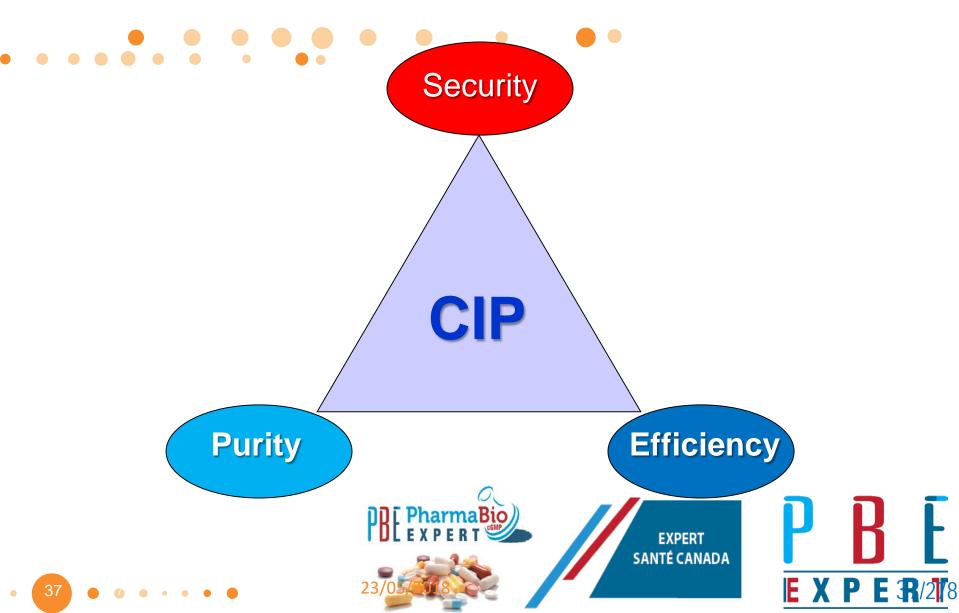
# Non-compliance & CCP Sources CIP & MAINTENANCE

- 1. Equipment cleaning and maintenance, including utensils, must be done according to ....
- 2. Cleaning procedures are ...

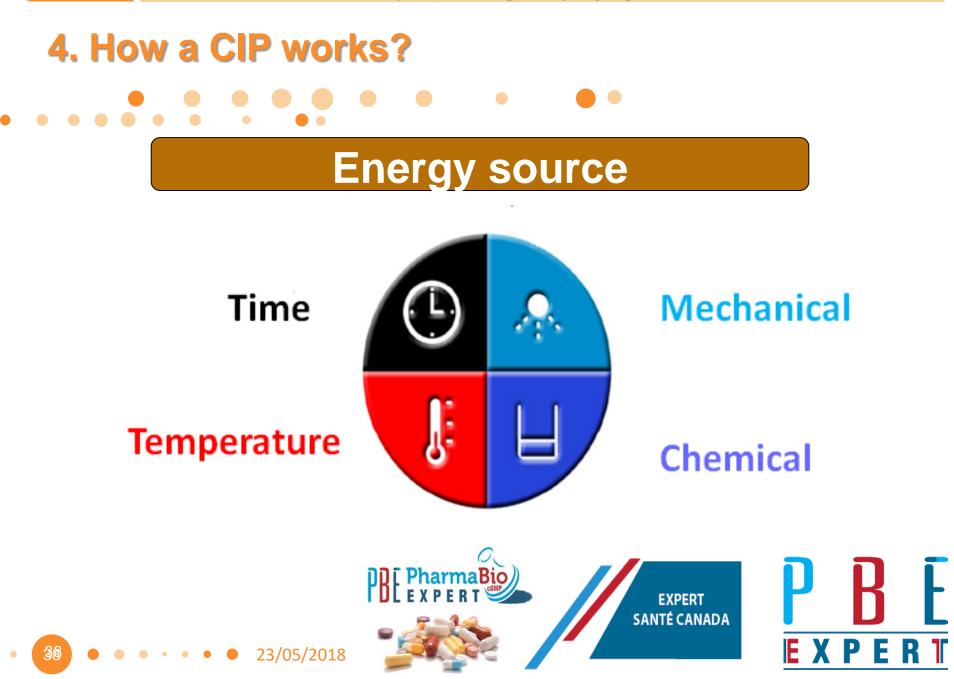




#### **Cleaning processes development**



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#### Non-compliance & CCP Sources CIP & MAINTENANCE

- 1.
   ....

   2.
   ....

   3.
   ....

   4.
   ...
  - 5. .











#### &19-25, 33-36, 39 PRODUCTION ROOMS COMPLIANCE AUDIT







#### &37-54 CONTAMINANTS ORIGINS & HYGIENE RIGOR







&19-25, 33-36 PREVENTIVE TECHNOLOGIES AGAINST CONTAMINANTS







# &19-25, 33-36 DRESSING CODE







&19-25, 33-36 HYGIENIC ROOM & PRODUCTION ROOMS CLASSIFICATION / ZAC (ISO-14644)







#### &19-25, 33-36 LOCAUX HYGIÉNIQUES FINIS Architecturaux des ZAC







## &1-79 Respect des URS / CDC

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## &19-25, 33-36 BARRIÈRES PHYSIQUES & MÉCANIQUES







&19-25, 33-36 CONCEPTION DES COMPOSANTES CRITIQUES DU SYSTÈME HVAC







## PREVENTIVE & SYSTEMATIC MAINTENANCE MONITORING







## &68-69 CHEMICAL MICROBIOLOGICAL CONTROL LABORATORY







#### STORAGE & SUPPLY CHAIN







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## PROCEDURES APPLICATION





## PROCEDURES APPLICATIONS







## &67-MANAGEMENT & QUALITY ASSURANCE





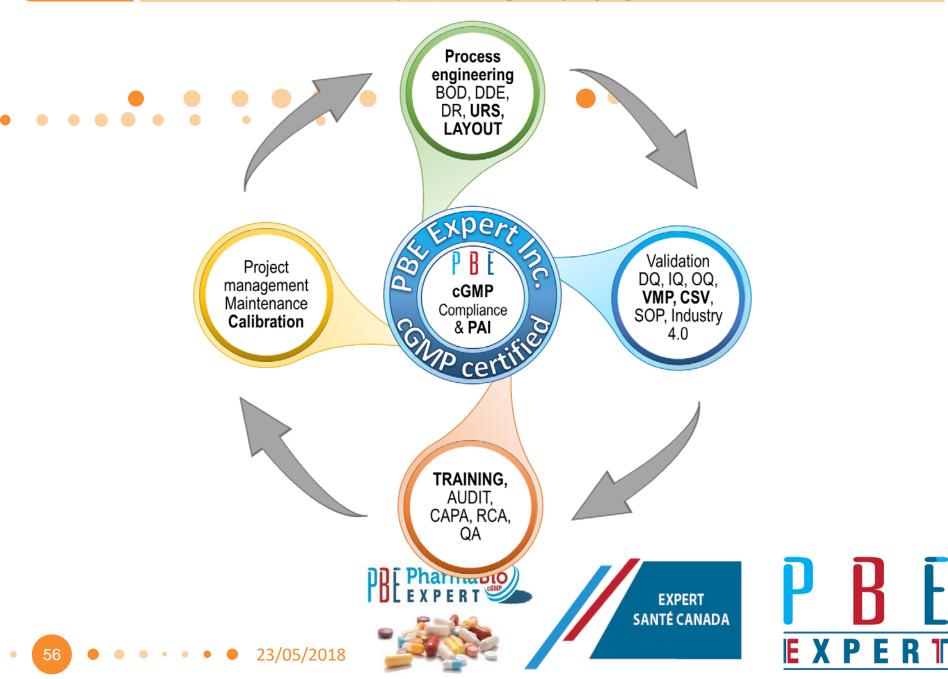


## &66, 69-79 PERIODIC INSPECTION AUDIT

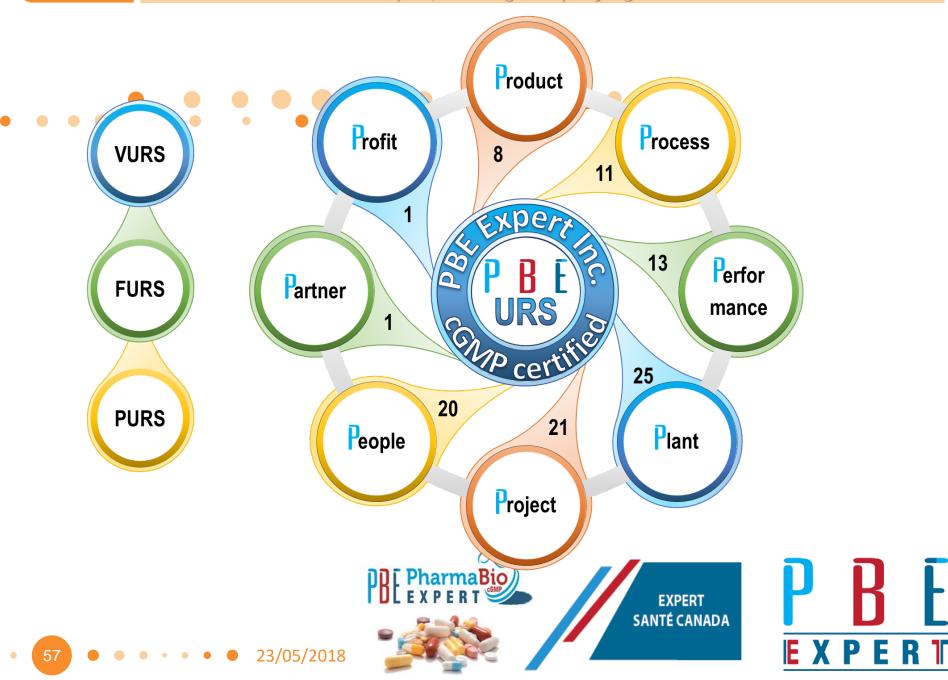




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